

Kautman

1646

22

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RAW SEQUENCE LISTING
PATENT APPLICATION US/08/878,168B

DATE: 02/14/2000
TIME: 13:41:40

Input Set: H878168B.RAW

This Raw Listing contains the General Information
Section and up to first 5 pages.

PS

1 <110> APPLICANT: Ashkenazi, Avi J.
2 Baker, Kevin
3 Gurney, Austin
4 Wood, William
5 <120> TITLE OF INVENTION: Apo-2DcR
6 <130> FILE REFERENCE: P1110
7 <140> CURRENT APPLICATION NUMBER: US/08/878,168B
8 <141> CURRENT FILING DATE: 1997-06-18
9 <160> NUMBER OF SEQ ID NOS: 17
10 <210> SEQ ID NO 1
11 <211> LENGTH: 259
12 <212> TYPE: PRT
13 <213> ORGANISM: Homo sapiens
14 <400> SEQUENCE: 1
15 Met Ala Arg Ile Pro Lys Thr Leu Lys Phe Val Val Val Ile Val
16 1 5 10 15
17 Ala Val Leu Leu Pro Val Leu Ala Tyr Ser Ala Thr Thr Ala Arg
18 20 25 30
19 Gln Glu Glu Val Pro Gln Gln Thr Val Ala Pro Gln Gln Arg
20 35 40 45
21 His Ser Phe Lys Gly Glu Glu Cys Pro Ala Gly Ser His Arg Ser
22 50 55 60
23 Glu His Thr Gly Ala Cys Asn Pro Cys Thr Glu Gly Val Asp Tyr
24 65 70 75
25 Thr Asn Ala Ser Asn Asn Glu Pro Ser Cys Phe Pro Cys Thr Val
26 80 85 90
27 Cys Lys Ser Asp Gln Lys His Lys Ser Ser Cys Thr Met Thr Arg
28 95 100 105
29 Asp Thr Val Cys Gln Cys Lys Glu Gly Thr Phe Arg Asn Glu Asn
30 110 115 120
31 Ser Pro Glu Met Cys Arg Lys Cys Ser Arg Cys Pro Ser Gly Glu
32 125 130 135
33 Val Gln Val Ser Asn Cys Thr Ser Trp Asp Asp Ile Gln Cys Val
34 140 145 150
35 Glu Glu Phe Gly Ala Asn Ala Thr Val Glu Thr Pro Ala Ala Glu
36 155 160 165
37 Glu Thr Met Asn Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu
38 170 175 180
39 Glu Thr Met Asn Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu
40 185 190 195
41 Glu Thr Met Thr Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu
42 200 205 210
43 Glu Thr Met Thr Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu
44 215 220 225

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RAW SEQUENCE LISTING
PATENT APPLICATION US/08/878,168B

DATE: 02/14/2000
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45      Glu Thr Met Thr Thr Ser Pro Gly Thr Pro Ala Ser Ser His Tyr
46          230          235          240
47      Leu Ser Cys Thr Ile Val Gly Ile Ile Val Leu Ile Val Leu Leu
48          245          250          255
49      Ile Val Phe Val
50          259
51 <210> SEQ ID NO 2
52 <211> LENGTH: 1180
53 <212> TYPE: DNA
54 <213> ORGANISM: Homo sapiens
55 <220> FEATURE:
56 <221> NAME/KEY: CDS
57 <222> LOCATION: (193) . . . (969)
58 <223> OTHER INFORMATION:
59 <400> SEQUENCE: 2
60      gctgtggaa cctctccacg cgcacgaact cagccaacga tttctgatag 50
61      atttttggaa gtttgcaccag agatgcagg ggtgaaggagg cgcttcctac 100
62      cgtagggaa ctctggggac agagcgcccc ggccgcctga tggccgaggc 150
63      agggtgcgac ccaggaccac ggacggcgac gggaaaccata cc atg 195
64          Met
65          1
66      gcc cggtatccc aag acc cta aag ttc gtc gtc gtc atc 234
67      Ala Arg Ile Pro Lys Thr Leu Lys Phe Val Val Val Ile
68          5          10
69      gtc gcg gtc ctg ctg cca gtc cta gct tac tct gcc acc 273
70      Val Ala Val Leu Leu Pro Val Leu Ala Tyr Ser Ala Thr
71          15         20         25
72      act gcc cggtatccc aag acc cta aag ttc gtc gtc gtc atc 312
73      Thr Ala Arg Gln Glu Glu Val Pro Gln Gln Thr Val Ala
74          30         35         40
75      cca cag caa cag agg cac agc ttc aag ggg gag gag tgt 351
76      Pro Gln Gln Arg His Ser Phe Lys Gly Glu Glu Cys
77          45         50
78      cca gca gga tct cat aga tca gaa cat act gga gcc tgt 390
79      Pro Ala Gly Ser His Arg Ser Glu His Thr Gly Ala Cys
80          55         60         65
81      aac ccg tgc aca gag ggt gtg gat tac acc aac gct tcc 429
82      Asn Pro Cys Thr Glu Gly Val Asp Tyr Thr Asn Ala Ser
83          70         75
84      aac aat gaa cct tct tgc ttc cca tgt aca gtt tgt aaa 468
85      Asn Asn Glu Pro Ser Cys Phe Pro Cys Thr Val Cys Lys
86          80         85         90
87      tca gat caa aaa cat aaa agt tcc tgc acc atg acc aga 507
88      Ser Asp Gln Lys His Lys Ser Ser Cys Thr Met Thr Arg
89          95         100        105
90      gac aca gtg tgt cag tgt aaa gaa ggc acc ttc cgg aat 546
91      Asp Thr Val Cys Gln Cys Lys Glu Gly Thr Phe Arg Asn
92          110        115
93      gaa aac tcc cca gag atg tgc cgg aag tgt agc agg tgc 585
94      Glu Asn Ser Pro Glu Met Cys Arg Lys Cys Ser Arg Cys

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RAW SEQUENCE LISTING
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95          120          125          130
96 cct agt ggg gaa gtc caa gtc agt aat tgt acg tcc tgg 624
97 Pro Ser Gly Glu Val Gln Val Ser Asn Cys Thr Ser Trp
98          135          140
99 gat gat atc cag tgt gtt gaa gaa ttt ggt gcc aat gcc 663
100 Asp Asp Ile Gln Cys Val Glu Phe Gly Ala Asn Ala
101          145          150          155
102 act gtg gaa acc cca gct gct gaa gag aca atg aac acc 702
103 Thr Val Glu Thr Pro Ala Ala Glu Glu Thr Met Asn Thr
104          160          165          170
105 agc ccg ggg act cct gcc cca gct gct gaa gag aca atg 741
106 Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu Glu Thr Met
107          175          180
108 aac acc agc cca ggg act cct gcc cca gct gct gaa gag 780
109 Asn Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu Glu
110          185          190          195
111 aca atg acc acc agc ccg ggg act cct gcc cca gct gct 819
112 Thr Met Thr Ser Pro Gly Thr Pro Ala Pro Ala Ala
113          200          205
114 gaa gag aca atg acc acc agc ccg ggg act cct gcc cca 858
115 Glu Glu Thr Met Thr Ser Pro Gly Thr Pro Ala Pro
116          210          215          220
117 gct gct gaa gag aca atg acc acc agc ccg ggg act cct 897
118 Ala Ala Glu Glu Thr Met Thr Thr Ser Pro Gly Thr Pro
119          225          230          235
120 gcc tct tct cat tac ctc tca tgc acc atc gta ggg atc 936
121 Ala Ser Ser His Tyr Leu Ser Cys Thr Ile Val Gly Ile
122          240          245
123 ata gtt cta att gtg ctt ctg att gtg ttt gtt t 970
124 Ile Val Leu Ile Val Leu Leu Ile Val Phe Val
125          250          255          259
126 gaaagacttc actgtggaag aaattccttc cttacctgaa agttcaggt 1020
127 aggcgctggc tgagggcggg gggcgctgga cactctctgc cctgcctccc 1070
128 tctgctgtgt tcccacagac agaaacgcct gccccctgcccaaaaaaaaaa 1120
129 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1170
130 aaaaaaaaaa 1180
131 <210> SEQ ID NO 3
132 <211> LENGTH: 299
133 <212> TYPE: PRT
134 <213> ORGANISM: Homo sapiens
135 <400> SEQUENCE: 3
136 Met Gln Gly Val Lys Glu Arg Phe Leu Pro Leu Gly Asn Ser Gly
137          1           5           10          15
138 Asp Arg Ala Pro Arg Pro Pro Asp Gly Arg Gly Arg Val Arg Pro
139          20          25          30
140 Arg Thr Gln Asp Gly Val Gly Asn His Thr Met Ala Arg Ile Pro
141          35          40          45
142 Lys Thr Leu Lys Phe Val Val Val Ile Val Ala Val Leu Leu Pro
143          50          55          60
144 Val Leu Ala Tyr Ser Ala Thr Ala Arg Gln Glu Glu Val Pro

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RAW SEQUENCE LISTING
PATENT APPLICATION US/08/878,168BDATE: 02/14/2000
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Input Set: H878168B.RAW

145	65	70	75
146	Gln Gln Thr Val Ala Pro Gln Gln Gln Arg His Ser Phe Lys Gly		
147	80	85	90
148	Glu Glu Cys Pro Ala Gly Ser His Arg Ser Glu His Thr Gly Ala		
149	95	100	105
150	Cys Asn Pro Cys Thr Glu Gly Val Asp Tyr Thr Asn Ala Ser Asn		
151	110	115	120
152	Asn Glu Pro Ser Cys Phe Pro Cys Thr Val Cys Lys Ser Asp Gln		
153	125	130	135
154	Lys His Lys Ser Ser Cys Thr Met Thr Arg Asp Thr Val Cys Gln		
155	140	145	150
156	Cys Lys Glu Gly Thr Phe Arg Asn Glu Asn Ser Pro Glu Met Cys		
157	155	160	165
158	Arg Lys Cys Ser Arg Cys Pro Ser Gly Glu Val Gln Val Ser Asn		
159	170	175	180
160	Cys Thr Ser Trp Asp Asp Ile Gln Cys Val Glu Glu Phe Gly Ala		
161	185	190	195
162	Asn Ala Thr Val Glu Thr Pro Ala Ala Glu Glu Thr Met Asn Thr		
163	200	205	210
164	Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu Glu Thr Met Asn Thr		
165	215	220	225
166	Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu Glu Thr Met Thr Thr		
167	230	235	240
168	Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu Glu Thr Met Thr Thr		
169	245	250	255
170	Ser Pro Gly Thr Pro Ala Pro Ala Ala Glu Glu Thr Met Thr Thr		
171	260	265	270
172	Ser Pro Gly Thr Pro Ala Ser Ser His Tyr Leu Ser Cys Thr Ile		
173	275	280	285
174	Val Gly Ile Ile Val Leu Ile Val Leu Leu Ile Val Phe Val		
175	290	295	299

176 <210> SEQ ID NO 4

177 <211> LENGTH: 1180

178 <212> TYPE: DNA

179 <213> ORGANISM: Homo sapiens

180 <220> FEATURE:

181 <221> NAME/KEY: CDS

182 <222> LOCATION: (73) . . . (969)

183 <223> OTHER INFORMATION:

184 <220> FEATURE:

185 <221> NAME/KEY: sig_peptide

186 <222> LOCATION: (73) . . . (194)

187 <223> OTHER INFORMATION:

188 <400> SEQUENCE: 4

189	gctgtggaa cctctccacg cgcacgaact cagccaacga tttctgtatag	50	
190	atttttggaa gtttgaccag ag	atg caa ggg gtg aag gag	90
191		Met Gln Gly Val Lys Glu	
192	-40	-35	
193	cgc ttc cta ccg tta ggg aac tct ggg gac aga gcg ccc	129	
194	Arg Phe Leu Pro Leu Gly Asn Ser Gly Asp Arg Ala Pro		

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RAW SEQUENCE LISTING
PATENT APPLICATION US/08/878,168B

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195          -30          -25
196      cgg ccg cct gat ggc cga ggc agg gtg cga ccc agg acc 168
197      Arg Pro Pro Asp Gly Arg Gly Arg Val Arg Pro Arg Thr
198          -20          -15          -10
199      cag gac ggc gtc ggg aac cat acc atg ggc atc ccc 207
200      Gln Asp Gly Val Gly Asn His Thr Met Ala Arg Ile Pro
201          -5           1           5
202      aag acc cta aag ttc gtc gtc atc gtc gcg ctg 246
203      Lys Thr Leu Lys Phe Val Val Val Ile Val Ala Val Leu
204          10          15
205      ctg cca gtc cta gct tac tct ggc acc act ggc ggg cag 285
206      Leu Pro Val Leu Ala Tyr Ser Ala Thr Thr Ala Arg Gln
207          20          25          30
208      gag gaa gtt ccc cag cag aca gtg ggc cca cag cag 324
209      Glu Glu Val Pro Gln Gln Thr Val Ala Pro Gln Gln Gln
210          35          40
211      agg cac agc ttc aag ggg gag gag ttgt cca gca gga tct 363
212      Arg His Ser Phe Lys Gly Glu Glu Cys Pro Ala Gly Ser
213          45          50          55
214      cat aga tca gaa cat act gga ggc ttgt aac ccg tgc aca 402
215      His Arg Ser Glu His Thr Gly Ala Cys Asn Pro Cys Thr
216          60          65          70
217      gag ggt gtg gat tac acc aac gct tcc aac aat gaa cct 441
218      Glu Gly Val Asp Tyr Thr Asn Ala Ser Asn Asn Glu Pro
219          75          80
220      tct tgc ttc cca ttgt aca gtt ttgt aaa tca gat caa aaa 480
221      Ser Cys Phe Pro Cys Thr Val Cys Lys Ser Asp Gln Lys
222          85          90          95
223      cat aaa agt tcc tgc acc atg cca aga gac aca gtg ttgt 519
224      His Lys Ser Ser Cys Thr Met Thr Arg Asp Thr Val Cys
225          100         105
226      cag ttgt aaa gaa ggc acc ttc cgg aat gaa aac tcc cca 558
227      Gln Cys Lys Glu Gly Thr Phe Arg Asn Glu Asn Ser Pro
228          110         115         120
229      gag atg tgc cgg aag ttgt agc agg tgc cct agt ggg gaa 597
230      Glu Met Cys Arg Lys Cys Ser Arg Cys Pro Ser Gly Glu
231          125         130         135
232      gtc caa gtc agt aat ttgt acg tcc tgg gat gat atc cag 636
233      Val Gln Val Ser Asn Cys Thr Ser Trp Asp Asp Ile Gln
234          140         145
235      ttgt gtt gaa gaa ttttt gtgt ggc aat ggc act gtg gaa acc 675
236      Cys Val Glu Glu Phe Gly Ala Asn Ala Thr Val Glu Thr
237          150         155         160
238      cca gct gct gaa gag aca atg aac acc agc ccg ggg act 714
239      Pro Ala Ala Glu Glu Thr Met Asn Thr Ser Pro Gly Thr
240          165         170
241      cct ggc cca gct gct gaa gag aca atg aac acc agc cca 753
242      Pro Ala Pro Ala Ala Glu Glu Thr Met Asn Thr Ser Pro
243          175         180         185
244      ggg act cct ggc cca gct gct gaa gag aca atg acc acc 792

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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

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VERIFICATION SUMMARY
PATENT APPLICATION US/08/878,168B

DATE: 02/14/2000

TIME: 13:41:40

Input Set: H878168B.RAW

Line ? Error/Warning

Original Text

423 W "N" or "Xaa" used: Feature required Ala Asp Ser Ala Xaa Ser